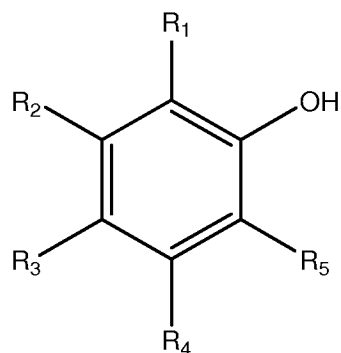


### AMENDMENTS TO THE CLAIMS

Kindly amend the Claims, without prejudice, as shown below in the listing of claims. The listing of claims, shown below, will replace all prior versions, and listings, of claims in the instant Application:

#### Listing of Claims:

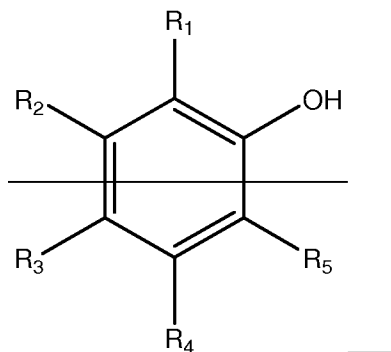
1. (Currently Amended) A pipe comprising;  
an ethylene alpha-olefin interpolymer, wherein said  
ethylene alpha-olefin interpolymer has a density in the range of  
0.925 to 0.965 g/cc, a melt index (I<sub>2</sub>) in the range of 0.05 to 5  
g/10 minutes; and  
an antioxidant system, wherein said antioxidant system  
consists essentially of;  
at least one antioxidant from a first class of  
antioxidants comprising a hindered phenol corresponding to the  
formula:



wherein R<sub>1</sub> and R<sub>5</sub> can independently be -CH<sub>3</sub>, -  
CH(CH<sub>3</sub>)<sub>2</sub>, or -C(CH<sub>3</sub>)<sub>3</sub>, and R<sub>2</sub>, R<sub>3</sub>, and R<sub>4</sub> can independently be H, or  
any hydrocarbon or substituted hydrocarbon group, and wherein said  
antioxidant from the first class is characterized as being more  
than five percent soluble in a hexane solution at 20°C., and  
further characterized as having a hydrolyzed product that is more  
than five percent soluble in a hexane solution at 20°C.; and

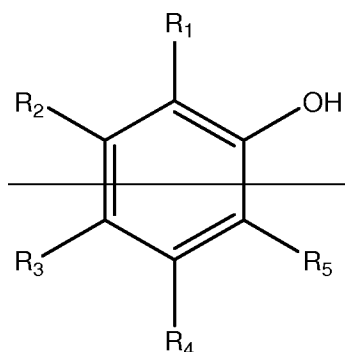


a) ~~a first class of antioxidants comprising a hindered phenol corresponding to the formula:~~



wherein  $R_1$  and  $R_5$  can independently be  $\text{CH}_3$ ,  $\text{CH}(\text{CH}_3)_2$ , or  $\text{C}(\text{CH}_3)_3$ , and  $R_2$ ,  $R_3$ , and  $R_4$  can independently be H, or any hydrocarbon or substituted hydrocarbon group; and

b) ~~a second class of antioxidants comprising a hindered phenol corresponding to the formula:~~



wherein  $R_1$  and  $R_5$  can be  $\text{CH}_3$ ,  $\text{CH}(\text{CH}_3)_2$ , or  $\text{C}(\text{CH}_3)_3$ , and  $R_2$ ,  $R_3$ , and  $R_4$  can independently be H, or any hydrocarbon or substituted hydrocarbon group, provided that  $R_2$ ,  $R_3$  and  $R_4$  are chosen, such that the antioxidant does not contain the moiety  $\text{Ph-CHR}_6\text{-Ph}$ ; or  $R_2$ ,  $R_3$  and  $R_4$  are chosen, such that the antioxidant does not contain the moiety  $\text{Ph-CHR}_6$ ; and wherein Ph represents a substituted or unsubstituted phenyl ring and  $R_6$  can be H or a substituted or unsubstituted phenyl ring.

2. (Currently Amended) The pipe according to Claim 1, wherein said first class of antioxidants ~~one of the antioxidant~~

~~system components~~ provides extraction resistance and said second class of antioxidants ~~another~~ provides oxidation resistance.

3. (Cancelled).

4. (Currently Amended) The pipe of Claim 3, wherein two or more antioxidants are selected from the group consisting of Pentaerythritol Tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate); 3,3',3'',5,5',5''-hexa-tert-butyl-.alpha.,.alpha.',.alpha.''-(mesitylene-2,4,6-triyl)tri-p-cresol; and Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl)-propionate ~~Irganox 1010; Irganox 1330; and Irganox 1076.~~

5. (Currently Amended) The pipe of Claim 3, wherein the antioxidant system further comprises of Tris(2,4-ditert-butylphenyl)phosphate. ~~Irgafos 168.~~

6. (Cancelled).

7. (Cancelled).

8. (Currently Amended) The pipe of Claim 1 7, wherein the ~~polyethylene~~ ethylene alpha-olefin interpolymers is multimodal.

9. (Currently Amended) The pipe of Claim 1 7, wherein the ethylene alpha-olefin interpolymers has a density in the range of 0.940 to 0.965 g/cc. ~~density is greater than 0.940 g/cc.~~

10. (Currently Amended) The pipe of Claim 1 7, wherein the ethylene alpha-olefin interpolymers ~~polyethylene resin~~ further comprises one or more metal deactivators.

11. (Currently Amended) The pipe of Claim 1 7, wherein the ethylene alpha-olefin interpolymers ~~polyethylene resin~~ further comprises one or more phosphorous based stabilizers.

12. (Cancelled).

13. (Currently Amended) The pipe of Claim 1, wherein said pipe has an F time in the range of ~~in which the F time is~~ greater than 1200 hours.